IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Group Art Unit 1634

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Appl. No.

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Confirmation No.

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Applicant

: James W. Schumm et al.

Filed

: January 30, 2004

Title

: MULTIPLEX

AMPLIFICATION OF SHORT

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Examiner

: Goldberg, Jeanine Anne

Docket No.

: 016026-9238-US02

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE

Sir:

In response to the Office Action dated July 24, 2006, Applicants respectfully request entry of the amendments, reconsideration on the merits, and allowance of the claims.

Amendments to the specification begin on page 2 of this paper.

Remarks begin on page 3 of this paper.